


RITIK PATEL

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EDUCATION

PUNJAB ENGINEERING COLLEGE

Bachelor of Engineering in Computer Science (GPA: 8.4/10)

- **Relevant Coursework:**

Programming in C and Data Structures, Object-Oriented Programming (C++/Java). Discrete Mathematics, Computer Organization and Architecture, Database Management Systems, Operating Systems, Theory of Computation, Design and Analysis of Algorithms, Software Engineering, Computer Networks, Artificial Intelligence, Machine Learning, and Web Development

PROFESSIONAL EXPERIENCE

Internship

Software Development Engineer (SDE) Intern | Razorpay (Oct 24-Dec 24)

As an SDE intern at Razorpay, I developed and maintained backend services using TypeScript, PostgreSQL contributing to robust fintech solutions. I collaborated with cross-functional teams to deliver impactful features, enhanced system performance, and gained hands-on experience in a dynamic, fast-paced environment.

Freelancing

- Developed 15+ end-to-end projects using MERN stack, Nextjs, and client-side crypto integrations.
- Built and deployed scalable web applications for various clients, ensuring optimal performance and security.
- Worked on Web3 projects involving blockchain interactions and smart contract integrations.
- Designed responsive and user-friendly interfaces, leveraging modern UI/UX principles.

Open Source

OnlyDust, StarkNet, StarkCairo, Nethermind – Contributed to various Web3 and blockchain projects, focusing on smart contract development, zero-knowledge proofs, and developer tooling.

Hackathon

- I Participated in ETHIndia and Devfolio hackathons, collaborating on innovative Web3 and blockchain projects.
- Developed and deployed smart contracts, worked on decentralized applications (dApps), and explored cutting-edge blockchain technologies.

Project

Smart-contract-vulnerability-detector | Python, Next.js, Solidity, Vercel, GitHub

- Scans smart contract source code for known security vulnerabilities
- Detects common types of exploitable code patterns
- Provides early warning of potential security risks before deployment

[Live Link](#) | [GitHub](#)

Crypto-travel | Next.js, JavaScript, Recat, Metamask, Solidity, GitHub, Vercel

- Decentralized Travel Booking – Allowing users to book flights, hotels, or activities using cryptocurrencies.
- NFT-Based Travel Rewards – Issuing NFT-based loyalty points or digital travel passes.
- Decentralized Identity (DID) for Travelers – Enabling secure identity verification via blockchain.
- Crowdsourced Travel Reviews – Storing genuine, tamper-proof travel reviews on-chain.
- Tokenized Travel Experiences – Offering tokenized travel experiences that can be traded or redeemed.

[LiveLink](#) | [GitHub](#)

Technical Skills

- Languages: TypeScript, JavaScript, Java, Rust, Solidity
- Technologies: Next.js, React.js, Express.js, Node.js, WebSockets, Prisma, MongoDB, PostgreSQL, Redis, Appwrite, Clerk
- Authentication, Web3.js, Ethers
- Concepts: Full-Stack Development, Web3 Development, Smart Contracts, Real-Time Web Applications, API
- Development: Authentication, Database Design, DevOps (Docker, Kubernetes). Cloud Deployment